

#7

# INFORMATION DISCLOSURE STATEMENT

## BY APPLICANT

Docket: 245-53435

App:

Applicant: Çetin K. Koç, Erkey Savaş

Filed:

Art Unit:

JC682 U.S. PTO  
09/558138  
04/25/00

## OTHER DOCUMENTS

B. S. Kaliski, Jr., "The Montgomery Inverse and Its Applications," IEEE Transactions on Computers 44:1064-1065 (August 1995)

P. L. Montgomery, "Modular Multiplication Without Trial Division," Mathematics of Computation 44:519-521 (April 1985)

Ç. K. Koç et al., "Analyzing and Comparing Montgomery Multiplication Algorithms," IEEE Micro 16:26-33 (June 1996)

J. Dhem et al., "SCALPS: Smart Card For Limited Payment Systems," IEEE Micro 16:42-51 (June 1996)

EXAMINER:

DATE:

\*Examiner: Initial if considered, whether or not in conformance with MPEP 60;  
draw line through cite if not in conformance and not considered. Send copy.

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JUL 11 2002

Technology Center 2600

Docket: 245-53435

App: 09/558,138

Applicant: Koc et al.

Filed: April 25, 2000

Art Unit: 2689

INFORMATION DISCLOSURE  
STATEMENT

BY APPLICANT

## OTHER DOCUMENTS

- |                   |                                     |   |
|-------------------|-------------------------------------|---|
| <i>[initials]</i> | <input checked="" type="checkbox"/> | Menezes, et al., <u>Handbook of Applied Cryptography</u> , p. 600-603 (CRC Press 1997).   |
| <i>[initials]</i> | <input checked="" type="checkbox"/> | S. Even, "Systolic Modular Multiplication," <u>Advances in Cryptology</u> , Lecture Notes in Computer Science <b>537</b> :619-624 (Springer Verlag 1990).                   |
| <i>[initials]</i> | <input checked="" type="checkbox"/> | Bosselaers et al., "Comparison of Three Modular Reduction Functions," <u>Crypto '93</u> , pp. 175-186 (1993).   |
| <i>[initials]</i> | <input checked="" type="checkbox"/> | Koc et al., "Carry-save Adders for Computing the Products AB Modulo N," <u>Electronics Letters</u> <b>26</b> :899-900 (June 21, 1990).                                      |
| <i>[initials]</i> | <input checked="" type="checkbox"/> | C.K. Koc., "Montgomery Reduction with Even Modulus," <u>IEEE Proc.-Compt. Digit Tech.</u> , <b>141</b> :314-316 (September 5, 1994).  |
| <i>[initials]</i> | <input checked="" type="checkbox"/> | Paar et al., "Fast Arithmetic Architectures for Public-Key Algorithms over Galois Fields $GF((2^n)^m)$ ," <u>Eurocrypt '97</u> , p. 363-378 (May 11, 1997).                 |
| <i>[initials]</i> | <input checked="" type="checkbox"/> | Leu et al., "A Scalable Low-Complexity Digit-Serial VLSI Architecture for RSA Cryptosystem." <u>SiPS 99 IEEE Workshop on Signal Processing Systems</u> , p. 586-595 (1999). |
| <i>[initials]</i> | <input checked="" type="checkbox"/> | Bartee et al., "Computation with Finite Fields," <u>Information and Control</u> <b>6</b> :79-98 (1963).   |
| <i>[initials]</i> | <input checked="" type="checkbox"/> | C.D. Walter, "Faster Modular Multiplication by Operand Scaling," <u>Advances in Cryptology: Lecture Notes in Computer Science</u> <b>576</b> :313-323 (1992).               |
| <i>[initials]</i> | <input checked="" type="checkbox"/> | Bajard, et al., "An RNS Montgomery Modular Multiplication Algorithm," <u>IEEE Trans. on Computers</u> , <b>47</b> :766-776 (July 1998).                                     |
| <i>[initials]</i> | <input checked="" type="checkbox"/> | Koc et al., "Montgomery Multiplication in $GF(2^k)$ ," <u>Designs, Codes and Cryptography</u> , <b>14</b> :57-69 (April 1998).  |
| <i>[initials]</i> | <input checked="" type="checkbox"/> | G.B. Agnew et al., "Arithmetic Operations in $GF(2^m)$ ," <u>Journal of Cryptology</u> , p. 3-13 (1993).  |

EXAMINER:

DATE

11-24-03

\*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.